# BRUHAT BANGALORE MAHANAGARA PALIKE

## BILL OF QUANTITIES (BOQ)

**Name of the work: Improvements to roads and drains at Thindlu colony in ward no. 09 (Vidyaranyapura).**

| Sl. No. | Approved Qty. | Description | Unit | Issued to Technical Manager , KRIDL | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 1 | 252.00 | Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work | Cum | 199.36 | Rupees One Hundred Ninety Nine and Thirty Six Paise Only |
| 2 | 30.00 | Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) etc complete as per specifications and directions of engineer in charge of the work | cum | 320.12 | Rupees Three Hundred Twenty and Twelve Paise Only |
| 3 | 30.00 | Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A: Plant Mix Method. - For Grading II Material etc complete as per specifications and directions of engineer in charge of the work | Cum | 1665.26 | Rupees One Thousand Six Hundred Sixty Five and Twenty Six Paise Only |
| 4 | 94.50 | Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum | 5159.02 | Rupees Five Thousand One Hundred Fifty Nine and Two Paise Only |
| 5 | 540.00 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work | Sqm | 310.58 | Rupees Three Hundred Ten and Fifty Eight Paise Only |
| 6 | 63.00 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams etc complete as per specifications and directions of engineer in charge of the work | Cum | 6231.74 | Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only |
| 7 | 5.67 | Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500** etc complete as per specifications and directions of engineer in charge of the work | Tonne | 64243.42 | Rupees Sixty Four Thousand Two Hundred Forty Three and Forty Two Paise Only |
| 8 | 207.36 | Providing Precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc complete as per the direction of engineer in charge-Data rate | Sqm | 1820.56 | Rupees One Thousand Eight Hundred Twenty and Fifty Six Paise Only |

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Signature of the contractor



20/12

Executive Engineer

20/12

| No. | Approved Qty. | Description | Unit | Issued to Technical Manager , KRIDL | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 9 | 56.25 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @ 0.64cum and fine aggregate @ 0.43cum)** etc | Cum | 5508.82 | Rupees Five Thousand Five Hundred Eight and Eighty Two Paise Only |
| 10 | 450.00 | **Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc complete as per specifications and directions of engineer in charge of the work | Sqm | 95.40 | Rupees Ninety Five and Forty Paise Only |

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore Mahanagara Palike and as directed.
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

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Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

20/12

CONTRACTOR

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010